

wherein:

C1
cont
R₁ and R₂ are independently selected from the group consisting of H, R, and ArR-,
or R₁ and R₂ are joined to form a ring;

R₃ and R₄ are independently selected from the group consisting of H, R, and ArR-,
or R₃ and R₄ are joined to form a ring;

R₅ is selected from the group consisting of H, R, ArR-, and Ar;

R₆ is selected from the group consisting of H, R, and ArR-;

R₇ and R₈ are independently selected from the group consisting of: H, R, and ArR-;

and

R₉ is:
$$Z - \overset{\text{O}}{\underset{\text{||}}{\text{C}}} - Y -$$
 ;

R is a saturated or unsaturated moiety having a linear, branched, or non-aromatic cyclic skeleton containing one to ten carbon atoms, zero to four nitrogen atoms, zero to four oxygen atoms, and zero to four sulfur atoms, and the carbon atoms are optionally substituted with: =O, =S, -OH, -OR₁₀, -O₂CR₁₀, -SH, -SR₁₀, -SOCR₁₀, -NH₂, -NHR₁₀, -N(R₁₀)₂, -NHCOR₁₀, -NR₁₀COR₁₀, -I, Br, -C1, -F, -CN, -CO₂H, -CO₂R₁₀, -CHO, -COR₁₀, -CONH₂, -CONHR₁₀, -CON(R₁₀)₂, -COSH,

-COSR₁₀, -NO₂, -SO₃H, -SOR₁₀, -SO₂R₁₀, wherein R₁₀ is a linear, branched or cyclic, one to ten carbon atom saturated or unsaturated alkyl group;

the ring formed by joining R₁ and R₂ or by joining R₃ and R₄ is a three to seven member non-aromatic cyclic skeleton within the definition of R,

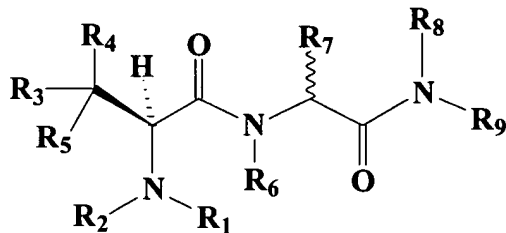
C1
conclude
X is a moiety selected from the group consisting of -OH, -OR, =O, =S, -O₂CR, -SH, -SR, -SOCR, -NH₂, -NHR, -N(R)₂, -NHCOR, -NRCOR, -I, -Br, -Cl, -F, -CN, -CO₂H, -CO₂R, -CHO, -COR, -CONH₂, -CONHR, -CON(R)₂, -COSH, -COSR, -NO₂, -SO₃H, -SOR, and -SO₂R;

Ar is an aromatic ring selected from the group consisting of phenyl, naphthyl, anthracyl, phenanthryl, furyl, pyrrolyl, thiophenyl, benzofuryl, benzothiophenyl, quinoliny, isoquinolyl, imidazolyl, thiazolyl, oxazolyl, and pyridinyl, optionally substituted with R or X;

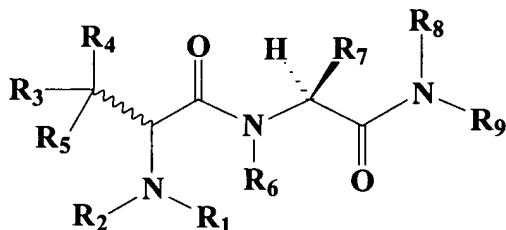
Y is a linear, unsaturated, two to six carbon atom alkyl group, optionally substituted with R, ArR-, or X, provided however if R₈ is H, then the optional substituents on Y are limited to R and ArR- wherein R is linear, branched or cyclic alkyl of one to ten carbon atoms and Ar is phenyl, naphthyl, anthracyl, or phenanthryl; and,

Z is a moiety selected from the group consisting of: -OH, -OR; -SH; -SR; -NH₂; -NHCH(R₁₁)COOH; and -NRCH(R₁₁)COOH, wherein R₁₁ is a moiety having the formula: R, or -(CH₂)_nNR₁₂R₁₃, wherein n=1-4 and R₁₂ and R₁₃ are independently selected from the group consisting of H; R; and -C(NH)(NH₂) or pharmaceutically acceptable salt thereof.

68. (Once Amended) The compound of claim 22, having the configuration:



70. (Once Amended) The compound of claim 22, having the configuration:



73. (Once Amended) A pharmaceutical composition suitable for treating tumors comprising an anti-tumor effective amount of at least one compound of claim 22 and acceptable pharmaceutical excipient.

74. (Once Amended) A method of treating tumors by arresting cell mitosis in a patient in need of such treatment comprising administering to said patient an anti-mitotic effective amount of at least one compound of claim 22.

REMARKS

Claims 22-74 are pending in the present application. Claim 74 has been withdrawn from consideration by the Examiner. Claims 22, 68, 70, 73, and 74 have been amended in